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NTDB id 624 LCA RS00040 WP 011373726.1	MINRVVLVGRLLTRDVLRYTSSGA	AVGTF	SM	AVNRQFTNANGD	READF	IN	CV	IWRK	SAENFAN	FTK	KGSL	V	GVDGR	LQTR	80				
NTDB id 113 BSU 40900 NP 391970.1	MLNRVVLVGRLLTKDPELRYTP	NGA	AVATFT	LAVNR	FTTNQSG	GEREAD	F	IN	CV	TWRR	QAEN	VAN	FLK	KGSLAG	VDGR	LQTR	80		
NTDB id 1038794 ACBW56 RS15975 WP 003151249.1	MFNHVMLVGRLLTKDPELRF	TSAGIP	VAHIT	LAVNR	NFKSAS	GETGT	DFVN	CTI	WRK	NAENT	ALYCQ	KGS	MVGV	SGRI	QTR	80			
NTDB id 112 BSU 36310 NP 391512.2	MFNQVMLVGRLLTKDPELRY	TSAGA	AVAHVT	LAVNR	SFKNAS	GEI	EADY	VNCT	LWRK	TAENT	ALYCQ	KGS	LVGV	SGRI	QTR	80			
NTDB id 597 KW2 RS01935 WP 021036727.1	.MNKTM	LIGRLT	NAPEI	SKTTN	NKSYVR	VT	LAVNR	RFKN	EK	GEREAD	F	IS	ILWG	KSAET	LVSYAK	KGSLISV	EGE	IRTR	79
NTDB id 498 SM12261 RS01980 WP 000282464.1	MYNKKVIMIGRLTSTPELHKT	NNDK	SVARAT	IAVNR	RYK	DQNG	GEREAD	FVN	MVLWG	KLAES	LASYAT	KGSLIS	VDGEL	RTR	80				
NTDB id 526 SMSK321 RS08825 WP 000282440.1	MYNKKVILIGRLTSTPELHKT	NNDK	SVARAT	IAVNR	RYK	DQNG	GEREAD	FVN	MVLWG	RLAET	LASYAT	KGSLIS	VDGEL	RTR	80				
NTDB id 158 SP RS09595 WP 000282442.1	MYNKKVILIGRLTSTPELHKT	NNDK	SVARAT	IAVNR	RYK	DQNG	GEREAD	FVN	MVLWG	RLAET	LASYAT	KGSLIS	VDGEL	RTR	80				
NTDB id 268 KZH43 RS08520 WP 000282467.1	MYNKKVIMIGRLTSTPELHKT	NNDK	SVARAT	IAVNR	RYK	DQNG	GEREAD	FVN	MVLWG	RLAET	LASYAT	KGSLIS	VDGEL	RTR	80				
NTDB id 227 SPD RS09110 WP 000282467.1	MYNKKVIMIGRLTSTPELHKT	NNDK	SVARAT	IAVNR	RYK	DQNG	GEREAD	FVN	MVLWG	RLAET	LASYAT	KGSLIS	VDGEL	RTR	80				
NTDB id 193 SPR RS08685 WP 000282467.1	MYNKKVIMIGRLTSTPELHKT	NNDK	SVARAT	IAVNR	RYK	DQNG	GEREAD	FVN	MVLWG	RLAET	LASYAT	KGSLIS	VDGEL	RTR	80				
NTDB id 583 DLJ51 RS09560 WP 002962590.1	MYNKKVILIGRLTAAPE	VMVKT	PSN	KSV	THIT	LAVNR	RFKT	QD	GERQ	ADFVN	VVFWG	KLAES	LVSYAG	KGSL	VSLDGE	IRTR	80		
NTDB id 409 SMU RS08940 WP 002263454.1	MYNKKVILIGRLVATPE	VMVKT	PKD	KSV	TRVT	LAVNR	RFKS	QD	GEKQ	ADFVN	VVLWG	RLAET	TIASYG	SGS	KGSLIS	LDGEL	RTR	80	
consensus	*!*																		

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NTDB id 624 LCA RS00040 WP 011373726.1	NYENQGGQRVYVTEVVDNFSLLESRTTTEQRQGDGASQNFNSNQSNQSGSQ.....QSGFTSPQQGTGNAPAAANTQADP	153
NTDB id 113 BSU 40900 NP 391970.1	NYENQGGQRVFVTEVQAESVQFLEPKNGGGSGSG.....GYNEGNSGGGQYFGGGQNDNPFGGNQNNQRRNQGNSFNDDP	155
NTDB id 1038794 ACBW56 RS15975 WP 003151249.1	SYEKTDGKVKVYVTEVMADTVRFMDQKRKEPLAE.....	113
NTDB id 112 BSU 36310 NP 391512.2	SYENEEGVNVYVTEVLADTVRFMDPKPREKAAD.....	113
NTDB id 597 KW2 RS01935 WP 021036727.1	NYTDKNEQKHYTEILGLSYDLLESRAATLALRESAV..K.....	116
NTDB id 498 SM12261 RS01980 WP 000282464.1	RFEKNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....	118
NTDB id 526 SMSK321 RS08825 WP 000282440.1	RFEKNGQMNYVAEVLVTGFQLLESRAQRAMRENNAGQD.....	118
NTDB id 158 SP RS09595 WP 000282442.1	RFEKNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....	118
NTDB id 268 KZH43 RS08520 WP 000282467.1	RFEKNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....	118
NTDB id 227 SPD RS09110 WP 000282467.1	RFEKNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....	118
NTDB id 193 SPR RS08685 WP 000282467.1	RFEKNGQMNYVTEVLVTGFQLLESRAQRAMRENNAGQD.....	118
NTDB id 583 DLJ51 RS09560 WP 002962590.1	HYEKDGQTHYVTEILAQS FQLLESRAQRALRENNGASD.....	118
NTDB id 409 SMU RS08940 WP 002263454.1	KYEKDGVTHFVTEVLGHS FQLLESRAQRAMRENNSEND.....	118
consensus	** *	

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NTDB id 624 LCA RS00040 WP 011373726.1	FANNGQAIDISDDDLPF	170
NTDB id 113 BSU 40900 NP 391970.1	FANDGKPIDISDDDLPF	172
NTDB id 1038794 ACBW56 RS15975 WP 003151249.1		113
NTDB id 112 BSU 36310 NP 391512.2		113
NTDB id 597 KW2 RS01935 WP 021036727.1	TEELLLEADELPF	129
NTDB id 498 SM12261 RS01980 WP 000282464.1	LADLVLEEEELPF	131
NTDB id 526 SMSK321 RS08825 WP 000282440.1	LADLVLEEEELPF	131
NTDB id 158 SP RS09595 WP 000282442.1	LADLVLEEEELPF	131
NTDB id 268 KZH43 RS08520 WP 000282467.1	LADLVLEEEELPF	131
NTDB id 227 SPD RS09110 WP 000282467.1	LADLVLEEEELPF	131
NTDB id 193 SPR RS08685 WP 000282467.1	LADLVLEEEELPF	131
NTDB id 583 DLJ51 RS09560 WP 002962590.1	LTDLVLEEEELPF	131
NTDB id 409 SMU RS08940 WP 002263454.1	LADLVLEEEELPF	131
consensus	* *****	

 non conserved
 similar
 $\geq 50\%$ conserved